

IN THE SPECIFICATION

Please replace the paragraph at page 2, lines 5-13, with the following rewritten paragraph:

Thus, an aspect of ~~Claim 1~~ the present invention is a linear oscillator comprising a moving part moving reciprocally, a case containing the moving part, and an amplitude control spindle supported in the case to be movable, in which the moving part and the vibration control spindle reciprocate at a resonance frequency or in its vicinity. The amplitude control spindle is thus provided to conduct control so as to absorb or increase an amplitude due to a reaction of the moving part when it is reciprocating.

Please replace the paragraph at page 2, lines 14-21, with the following rewritten paragraph:

An aspect of ~~Claim 2~~ the present invention is the linear oscillator ~~according to Claim 1~~ further comprising an electromagnetic driving part reciprocating the moving part and a spring member making up a spring oscillation system disposed at least between the case and the moving part and between the case and the amplitude control spindle, in which a resonance frequency of the spring oscillation system is equal to that of the linear oscillator and in its vicinity.

Please replace the paragraph at page 2, lines 22-24, with the following rewritten paragraph:

An aspect of ~~Claim 3~~ the present invention is the linear oscillator ~~according to Claim 1~~ further in which the moving part and the amplitude control spindle moves in phases opposite to each other and reciprocate at a resonance frequency.

Please replace the paragraph at page 3, lines 1-7, with the following rewritten paragraph:

An aspect of ~~Claim 4~~ the present invention is the linear oscillator ~~according to Claim 2,~~ further in which the spring member includes a first spring disposed between a fixed part including the case and the electromagnetic driving part and the moving part, a second spring disposed between the moving part and the amplitude control spindle, and a third spring disposed between the amplitude control spindle and the fixed part.

Please replace the paragraph at page 3, lines 8-11, with the following rewritten paragraph:

An aspect of ~~Claim 5~~ the present invention is the linear oscillator ~~according to Claim 4,~~ further wherein the electromagnetic driving part includes a coil, to use its coil current in order to enable controlling the reciprocating motion.

Please replace the paragraph at page 3, lines 12-20, with the following rewritten paragraph:

An aspect of ~~Claim 6~~ the present invention is the linear oscillator ~~according to Claim 5,~~ further in which the electromagnetic driving part includes a coil surrounding an outer periphery of the moving part, second yokes disposed at both ends of the coil, a pair of permanent magnets which are provided at an end face of each of the second yokes and also which are magnetized symmetrically with respect to the center of the coil, and first yokes provided on the sides of the permanent magnets opposite to the second yokes.

Please replace the paragraph at page 3, lines 21-24, with the following rewritten paragraph:

An aspect of ~~Claim 7~~ the present invention is the linear oscillator ~~according to Claim 1,~~ further in which a shaft for taking out a motion output is connected as a connection element to the moving part or the amplitude control spindle.

Please replace the paragraph beginning at page 3, line 25, through page 4, line 2 with the following rewritten paragraph:

An aspect of ~~Claim 8~~ the present invention is the linear oscillator ~~according to Claim 4,~~ further in which the second spring is stronger than the first and third springs.

Please replace the paragraph at page 4, lines 3-5, with the following rewritten paragraph:

An aspect of ~~Claim 9~~ the present invention is the linear oscillator ~~according to Claim 1,~~ further in which the amplitude control spindle is provided with a rocking preventing means for preventing rocking.

Please replace the paragraph at page 4, lines 6-10, with the following rewritten paragraph:

An aspect of ~~Claim 10~~ the present invention is the linear oscillator ~~according to Claim 2,~~ further in which the spring member is formed of a coil spring and the mass of the amplitude control spindle and its connection element is larger than the mass of the moving part and its connection element.

Please replace the paragraph at page 4, lines 11-15, with the following rewritten paragraph:

An aspect of ~~Claim 11~~ the present invention is the linear oscillator ~~according to Claim 2,~~ further in which the spring member is formed of a leaf spring and the mass of the amplitude control spindle and its connection element is smaller than the mass of the moving part and its connection element.

Please replace the paragraph at page 4, lines 16-21, with the following rewritten paragraph:

An aspect of ~~Claim 12~~ the present invention is the linear oscillator ~~according to Claim 6,~~ further in which at least a portion facing the electromagnetic driving part in the case is formed of an electromagnetic substance and the thickness of the portion facing the electromagnetic driving part is 7% or larger of an outer diameter of the permanent magnet.

Please replace the paragraph at page 4, lines 22-25, with the following rewritten paragraph:

An aspect of ~~Claim 13~~ the present invention is the linear oscillator ~~according to Claim 6,~~ further in which a magnetic flux increasing means is provided which increases magnetic flux running toward the moving part.

Please replace the paragraph at page 5, lines 1-3, with the following rewritten paragraph:

An aspect of ~~Claim 14~~ the present invention is the linear oscillator ~~according to Claim 6,~~ further in which a first yoke has a triangular cross section which has its sloped side facing the case.

Please replace the paragraph at page 5, lines 4-6, with the following rewritten paragraph:

An aspect of ~~Claim 15~~ the present invention is the linear oscillator ~~according to Claim 7~~, further in which part or the whole of the shaft is made of a nonmagnetic substance.

Please replace the paragraph at page 5, lines 7-9, with the following rewritten paragraph:

An aspect of ~~Claim 16~~ the present invention is the linear oscillator ~~according to Claim 15~~, further in which only a portion of the moving part passing through the shaft is made of a nonmagnetic substance.

Please replace the paragraph at page 5, lines 10-13, with the following rewritten paragraph:

An aspect of ~~Claim 17~~ the present invention is the linear oscillator ~~according to Claim 6~~, further in which the yoke or the moving part is provided with an eddy current loss reducing means for reducing an eddy current loss.

Please replace the paragraph at page 5, lines 14-16, with the following rewritten paragraph:

An aspect of ~~Claim 18~~ the present invention is the linear oscillator ~~according to Claim 17~~, further in which the moving part has an amplitude-directional slit formed therein.

Please replace the paragraph beginning at page 5, line 17, through page 6, line 1, with the following rewritten paragraph:

An aspect of ~~Claim 19~~ the present invention is the linear oscillator ~~according to Claim 6,~~ further in which the moving part has a large diameter portion at its both ends in its reciprocating direction and a small diameter portion at its center in such a configuration that a boundary between the large diameter and small diameter portions roughly agrees with the end faces of the second yokes on the side of the coil and both end faces of the moving part in its reciprocating direction roughly agree with the end faces of the permanent magnets on the sides of the first yokes respectively.

Please replace the paragraph at page 6, lines 2-6, with the following rewritten paragraph:

An aspect of ~~Claim 20~~ the present invention is the linear oscillator ~~according to Claim 6,~~ further in which a gap between the outer circumferential surface of the moving part and the inner circumferential surface of the yoke is non-uniform in an revolutionary direction.

Please replace the paragraph at page 6, lines 7-9, with the following rewritten paragraph:

An aspect of ~~Claim 21~~ the present invention is the linear oscillator ~~according to Claim 7,~~ further comprising a revolution restricting means for restricting revolution of the shaft.

Please replace the paragraph at page 6, lines 10-12, with the following rewritten paragraph:

An aspect of ~~Claim 22~~ the present invention is the linear oscillator ~~according to Claim 21,~~ further in which the spring member acts as the revolution restricting means.